DPM 982

DiverseyWyandotte Corporation

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# Material Safety Data Sheet

Emergency Telephone (313) 281-0900



## SECTION I — PRODUCT IDENTIFICATION

| | | |
|---|---|---|
| | | Product: F.S. |
| PC: 2226/2764A | R 10/81 | Description: Chemical Mixture — Alkaline Electrocleaner |

## SECTION II — HAZARDOUS INGREDIENTS

| CAS Number | Chemical Component | % | TLV (Units) | Hazard Data |
|---|---|---|---|---|
| 1310-73-2 | Sodium hydroxide | 50 | 2 $mg/m^3$ | Corrosive to eyes, skin and mucous membranes. |

## SECTION III — PHYSICAL DATA

| | |
|---|---|
| Solid XX Liquid | Appearance and Odor: Off-white powder with slight odor |
| Specific Gravity: 1.09 Bulk density | pH at 25°C: (1% Solution) 13.0 |
| Solubility in Water: Complete | Freezing Point: N.A. |
| Percent Volatiles (by weight): N.A. | Phosphorus: None |

## SECTION IV — FIRE AND EXPLOSIVE HAZARD DATA

| Flash Point (method) | Flammable Limits | LFL | UFL |
|---|---|---|---|
| Not combustible | N/A | - | - |

Extinguishing Media: Not a fire hazard. Water fog.

Special Fire Hazards and Equipment Required: Forms corrosive caustic soda solutions. Avoid contact with skin. Although this product is not combustible, good fire-fighting practice dictates the use of self-contained breathing apparatus and turn-out gear for fires in area where product is stored.

## SECTION V — REACTIVE HAZARDS

| | | | |
|---|---|---|---|
| Product Stable: Yes | Unstable at ___ °F ___ °C | Hazardous Polymerization: None | Will Not Occur / May Occur |

Conditions to Avoid: Use caution when mixing with acids as violent reaction will occur. Add slowly to water to prevent generation of localized heating and spattering. Use plastic scoop for removal from drum.

Incompatibility (Materials to Avoid): Do not mix with acids, flammable liquids, organic halogens or soft metals. Hydrogen gas and severe corrosion will occur if solutions of concentrated product contacts aluminum.

Hazardous Decomposition Products: None known.

Product _____

## SECTION VI — HEALTH HAZARDS

**Eyes** Corrosive. Causes severe burns, possible irreversible eye damage, or irritation.

**Skin** Corrosive. Causes severe burns or irritation.

**Ingestion** POISON. CORROSIVE. May be fatal if swallowed. May cause esophogical or gastric perforation. Causes severe burns to mouth, throat and mucous membranes.

**Inhalation** May cause moderate to severe pulmonary irritation if mist or dust is inhaled.

**Threshold Limit Value**
2 mg/$m^3$ for NaOH

**Principal Routes of Absorption**
Direct contact with skin or eyes. Ingestion or inhalation of liquid or mists

**Acute Effects of Overexposure**
Corrosive. Causes severe irritation or burns.

**Chronic Effects of Overexposure**
None known.

**FIRST AID PROCEDURE—*NEVER GIVE FLUIDS* OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS. CALL A PHYSICIAN.**

**Eyes** Flush immediately with plenty of water for at least 15 minutes. Upper and lower eyelids should be raised to insure complete removal of caustic soda. Get prompt medical attention.

**Skin** Flush immediately with water while removing contaminated clothing and shoes. Get prompt medical attention. Launder clothing before reuse.

**Ingestion** If swallowed, rinse mouth with water. Drink large amounts of water or milk. DO NOT induce vomiting. If patient vomits, rinse mouth and repeat drinking water. Get medical attention.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VII — NORMAL HANDLING PROCEDURES

**Precautions to be taken in Handling and Storage.** Store in a dry area away from acids. Keep container closed when moving or not in use. KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling or using product. Add slowly to water with mixing to avoid spattering. Do not store with food.

**Protective Equipment**
**Eyes** Goggles, face shield or side-shield safety glasses.
**Gloves** Rubber or caustic resistant.
**Other** Clothing to prevent skin contact. Eye wash in area of use.

**Ventilation Requirements** Mechanical to maintain 2 mg/$m^3$ TLV. Wear NIOSH approved alkaline cartridge respirator in areas where mist or dust exceed TLV.

**Corrosive Action on Materials** Corrosive to aluminum, copper, brass, tin and other soft metals. May remove paint and organic coatings.

## SECTION VIII — SPILL OR LEAK CONTROL PROCEDURES

**Steps to be taken in case of Spills.** Forms corrosive liquid in water. Sweep up and store in a metal container. Dissolve in water and neutralize with dilute acids or carbon dioxide. Discharge neutralized solution to sanitary sewer or bury in chemical landfill. Consult local environmental regulations. Wash spill area thoroughly. Liquid waste solution is strongly alkaline.

**Waste Disposal Methods** Neutralize to a specific pH with dilute acid before disposal to sewer. Consult local regulations. Alkaline solutions are toxic to fish and wildlife. Do not discharge to lakes, streams or ponds.

*The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made.*

Date JUL 25 1986

Signed _____
DIVERSEY WYANDOTTE